

ABSTRACT OF THE DISCLOSURE

A probe for use in photoplethysmographic (PPG) measurement includes a light source unit including a light source that contacts a predetermined site of an object and emits light onto the predetermined site, a photodetector unit positioned facing the light source unit to receive the light emitted from the light source unit and transmitted through the object, a body having a space for receiving the object and in which the light source unit and the photodetector unit are positioned in a same optical axis, and a pressure application unit coupled to the body for applying a pressure to the object via the light source unit. A biological signal measuring system includes the above probe, a controller for controlling operations of the probe and for recording and analyzing signals output from the probe, a detected light intensity display unit for displaying an intensity of detected light, and a biological signal display unit.